

**EAST Search History****EAST Search History (Prior Art)**

| Ref # | Hits | Search Query   | DBs                    | Default Operator | Plurals | Time Stamp       |
|-------|------|--|------------------------|------------------|---------|------------------|
| S1    | 1    | ("5539072").PN.  | USPAT; USOOR           | OR               | OFF     | 2005/01/13 15:13 |
| S2    | 31   | ("3384627"   "3645990"   "3818074"   "3940359"   "4566981"   "4668726"   "4722904"   "4864006"   "4914146"   "4975468"   "4985282"   "5077097"   "5151217"   "5234151"   "5234807").PN. OR ("5539072").URPN. | US-PGPUB; USPAT; USOOR | OR               | OFF     | 2005/01/13 15:51 |
| S3    | 5    | sulf\$5 adj aromatic adj polymer\$3  | US-PGPUB; USPAT; USOOR | OR               | ON      | 2005/01/13 15:54 |
| S4    | 109  | sulf\$5 near aromatic adj polymer\$3   | US-PGPUB; USPAT; USOOR | OR               | ON      | 2005/01/13 16:15 |
| S5    | 846  | sulf\$5 near aromatic and polymer and laminate   | US-PGPUB; USPAT; USOOR | OR               | ON      | 2005/01/13 16:19 |
| S6    | 1    | "3895091".pn.  | US-PGPUB; USPAT; USOOR | OR               | ON      | 2005/01/13 16:16 |
| S8    | 24   | ("3354129"   "3365431"   "3519606"   "3524835"   "3539676"   "3562199").PN. OR ("3895091").URPN.   | US-PGPUB; USPAT; USOOR | OR               | OFF     | 2005/01/13 16:17 |
| S9    | 0    | S8 and S5  | US-PGPUB; USPAT; USOOR | OR               | OFF     | 2005/01/13 16:17 |
| S10   | 22   | S5 and moisture adj vapor  | US-PGPUB; USPAT; USOOR | OR               | OFF     | 2005/01/13 16:18 |
| S11   | 13   | sulf\$5 near aromatic near polymer and laminate  | US-PGPUB; USPAT; USOOR | OR               | ON      | 2006/05/10 14:22 |
| S12   | 22   | (polysulfone\$2 polyethersulfone\$2) near laminate   | US-PGPUB; USPAT; USOOR | OR               | ON      | 2005/01/13 16:36 |
| S13   | 5363 | ((polysulfone\$2 polyethersulfone\$2) and (laminate) not S12   | US-PGPUB; USPAT; USOOR | OR               | ON      | 2005/01/13 16:36 |
| S14   | 12   | ("3895091").URPN.  | USPAT                  | OR               | OFF     | 2005/01/14 10:05 |
| S15   | 1    | ("5690873").PN.  | USPAT; USOOR           | OR               | OFF     | 2005/01/14 10:21 |

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|-----|--------|---|--|----|-----|---------------------|
| S16 | 50     | ("6395383" "5843328"<br>"5391426" "5182163"<br>"5527562" "6174405"<br>"6265016" "5273814"<br>"5491022" "5576062"<br>"4872220" "5264276"<br>"4426422" "6277553"<br>"6297000" "6342343"<br>"6350561" "6352819"<br>"6352820" "6368782"<br>"6379880" "6395466"<br>"6395844" "6420102"<br>"6423487" "6432624"<br>"6432627" "6468726"<br>"6468730" "6472138"<br>"4153745" "5705283"<br>"4513047" "5863909"<br>"6262149" "6294186"<br>"6358911" "6419858"<br>"6433073" "5240979"<br>"5352454" "6448458"<br>"5382495" "5190806"<br>"6458230" "5221572"<br>"5761367" "5417744"<br>"6039694" "6113813").pn. | USPAT  | OR | OFF | 2005/01/14<br>10:30 |
| S17 | 507    | pps and laminate  | USPAT  | OR | OFF | 2005/01/14<br>10:31 |
| S18 | 16     | S17 and crosslink   | USPAT  | OR | OFF | 2005/01/14<br>10:34 |
| S19 | 2      | S17 not S18 and<br>polyaramid   | USPAT  | OR | OFF | 2005/01/14<br>10:38 |
| S20 | 149637 | S17 not S18 not S19<br>fabric   | USPAT  | OR | OFF | 2005/01/14<br>10:39 |
| S21 | 156    | S17 not S18 not S19 and<br>fabric   | USPAT  | OR | OFF | 2005/01/14<br>10:39 |
| S22 | 80     | tohpren   | US-PGPUB;<br>USPAT; USOOR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/14<br>12:07 |
| S23 | 3      | S22 and laminate  | US-PGPUB;<br>USPAT; USOOR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/14<br>12:08 |
| S24 | 3      | S22 and fabric  | US-PGPUB;<br>USPAT; USOOR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/01/14<br>12:11 |

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|-----|-------|---|------------------------|----|-----|------------------|
| S25 | 20    | ("3953566"   "4194041"   "4515761"   "4518650"   "4634530"   "4682730"   "4824916"   "4828699"   "5013765"   "5024594"   "5362836"   "5391426"   "5403675"   "5824405"   "6087031"   "6118218"   "6395383"   "6451921"   "6509441"   "6579948").PN. | USPAT; USOCR           | OR | OFF | 2005/01/14 15:05 |
| S26 | 8     | athayde.in.   | USPAT; USOCR           | OR | OFF | 2005/01/14 15:05 |
| S27 | 9     | ("4039440"   "4510193"   "4943475"   "5024594"   "5391426"   "5740551"   "5743775"   "5824405").PN. OR ("6395383").URPN.  | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/01/14 15:43 |
| S28 | 9     | ("4039440"   "4510193"   "4943475"   "5024594"   "5391426"   "5740551"   "5743775"   "5824405").PN. OR ("6395383").URPN.  | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/01/14 15:47 |
| S29 | 2     | (("4187390") or ("3963566")).PN.  | USPAT; USOCR           | OR | OFF | 2005/01/31 13:23 |
| S30 | 1     | ("5618334").PN.   | USPAT; USOCR           | OR | OFF | 2005/01/31 13:34 |
| S31 | 1     | ("5824405").PN.   | USPAT; USOCR           | OR | OFF | 2005/01/31 13:35 |
| S32 | 14765 | Polyamide and polyimide   | USPAT                  | OR | OFF | 2005/01/31 13:35 |
| S33 | 315   | S32 and protective and membrane   | USPAT                  | OR | OFF | 2005/01/31 13:36 |
| S34 | 263   | S33 and water   | USPAT                  | OR | OFF | 2005/01/31 13:37 |
| S35 | 8     | S34 and (clothing garment) and crosslink  | USPAT                  | OR | OFF | 2005/01/31 13:37 |
| S36 | 1     | ("5618334").PN.   | USPAT; USOCR           | OR | OFF | 2005/01/31 14:04 |

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| S37 | 24   | ("3953566"   "4194041"   "4239678"   "4515761"   "4518650"   "4634530"   "4682730"   "4824916"   "4828699"   "4943475"   "5013765"   "5024594"   "5362836"   "5391426"   "5403675"   "5618334"   "5743775"   "5824405"   "6087031"   "6118218"   "6395383"   "6451921"   "6509441"   "6579948").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/10 16:58 |
| S38 | 9    | jain-mukesh.in. wu-huey.in.   | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/10 16:59 |
| S39 | 18   | jain near mukesh  | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/10 17:00 |
| S40 | 804  | gore.in.  | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/10 17:00 |
| S41 | 846  | gore.as.  | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/10 17:00 |
| S42 | 68   | S41 and aromatic  | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/10 17:02 |
| S43 | 652  | 442/59.ccls.  | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/10 17:02 |
| S44 | 131  | S43 and aromatic  | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/10 17:02 |
| S45 | 106  | S44 and polymer   | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/10 17:03 |
| S46 | 66   | S45 and sulf\$5   | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/10 17:03 |
| S47 | 1    | ("5,733,625").PN.   | USPAT; USOCR           | OR | OFF | 2006/05/10 13:34 |
| S48 | 9608 | (sulfonat\$3 sulphonat\$4) near3 (aromatic polyarylsulfone polycarbonate polyaryl\$4 polyimide polysulfone)   | US-PGPUB; USPAT; USOCR | OR | ON  | 2006/05/10 15:01 |
| S49 | 913  | S48 and (nonwoven non-woven non adj woven unwoven woven knit\$4)  | US-PGPUB; USPAT; USOCR | OR | ON  | 2006/05/10 15:02 |
| S50 | 610  | S49 and (protect\$3 resistant retard\$4)  | US-PGPUB; USPAT; USOCR | OR | ON  | 2006/05/10 15:32 |
| S51 | 292  | S50 and (cross-link\$4 crosslink\$4)  | US-PGPUB; USPAT; USOCR | OR | ON  | 2006/05/10 15:01 |

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| S52 | 458 | (sulfonat\$3 sulphonat\$4) near3 (aromatic polyarylsulfone polycarbonate polyaryl\$4 polyimide polysulfone) same (crosslink\$4 cross-link\$4 cross adj link\$4)  | US-PGPUB; USPAT; USOCR                                   | OR | ON  | 2006/05/10 16:24 |
| S53 | 77  | S52 and (nonwoven non-woven non adj woven unwoven woven knit\$4)   | US-PGPUB; USPAT; USOCR                                   | OR | ON  | 2006/05/10 15:08 |
| S54 | 59  | S53 and (protect\$3 resistant retard\$4)   | US-PGPUB; USPAT; USOCR                                   | OR | ON  | 2006/05/10 15:33 |
| S55 | 192 | (sulfonat\$3 sulphonat\$4) near3 (aromatic polyarylsulfone polycarbonate polyaryl\$4 polyimide polysulfone) with (crosslink\$4 cross-link \$4 cross adj link\$4) | US-PGPUB; USPAT; USOCR                                   | OR | ON  | 2006/05/10 16:24 |
| S56 | 63  | jain near mukesh wu near huey  | US-PGPUB; USPAT; USOCR                                   | OR | ON  | 2006/05/10 20:27 |
| S57 | 17  | S56 and (nonwoven non-woven non adj woven woven kint\$4)   | US-PGPUB; USPAT; USOCR                                   | OR | ON  | 2006/05/10 20:34 |
| S58 | 17  | S56 and (nonwoven non-woven non adj woven woven knit\$4)   | US-PGPUB; USPAT; USOCR                                   | OR | ON  | 2006/05/10 20:27 |
| S59 | 862 | gore.as.   | US-PGPUB; USPAT; USOCR                                   | OR | ON  | 2006/05/10 20:34 |
| S60 | 11  | S59 and (nonwoven non-woven non adj woven woven knit\$4) and sulfonate\$4  | US-PGPUB; USPAT; USOCR                                   | OR | ON  | 2006/05/10 20:42 |
| S61 | 1   | ("4453991").PN.  | USPAT; USOCR   | OR | OFF | 2006/05/10 20:42 |
| S62 | 940 | acid adj equivalent adj weight   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2007/10/18 10:43 |
| S63 | 53  | sulfonic adj acid adj equivalent adj weight  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2007/10/18 10:44 |

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| S64 | 41  | sulfonic adj acid adj equivalent adj weight and aromatic  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2007/10/18 10:45 |
| S65 | 118 | "4,592,940"   | USPAT  | OR | OFF | 2007/10/18 11:04 |
| S66 | 306 | sulfonic adj acid with (equivalent adj weight) and aromatic   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2007/10/18 11:24 |
| S67 | 43  | sulfonic adj acid with (equivalent adj weight) and aromatic and (permeable permeability breathable)   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2007/10/18 11:25 |
| S68 | 36  | S67 not S64   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2007/10/18 11:25 |
| S69 | 7   | S67 and S64   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2007/10/18 11:26 |
| S70 | 171 | (sulfonat\$3 sulphonat\$4) near3 (amine polyamine) same (crosslink\$4 cross-link\$4 cross adj link\$4)  | US-PGPUB; USPAT; USOCR                                   | OR | ON  | 2007/10/18 16:45 |
| S71 | 165 | (sulfonat\$3 sulphonat\$4) near3 (amine polyamine) same (crosslink\$4 cross-link\$4 cross adj link\$4) and water  | US-PGPUB; USPAT; USOCR                                   | OR | ON  | 2007/10/18 16:45 |
| S72 | 26  | (sulfonat\$3 sulphonat\$4) near3 (amine polyamine) same (crosslink\$4 cross-link\$4 cross adj link\$4) and water and (permeabil\$4 breath\$4)             | US-PGPUB; USPAT; USOCR                                   | OR | ON  | 2007/10/18 16:46 |
| S73 | 168 | aromatic with (sulfonat\$3 sulphonat\$4) with (amine polyamine) and (crosslink\$4 cross-link\$4 cross adj link\$4) and water and (permeabil\$4 breath\$4) | US-PGPUB; USPAT; USOCR                                   | OR | ON  | 2007/10/18 16:50 |

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| S74 | 38     | aromatic with (sulfonat\$3 sulphonat\$4) with (amine polyamine) and (crosslink \$4 cross-link\$4 cross adj link\$4) and water with (permeabil\$4 breath\$4)   | US-PGPUB; USPAT; USOCR | OR | ON | 2007/10/18 16:51 |
| S75 | 862    | aromatic with (sulfonat\$3 sulphonat\$4) with (amine polyamine) and (crosslink \$4 cross-link\$4 cross adj link\$4)   | US-PGPUB; USPAT; USOCR | OR | ON | 2007/10/18 16:59 |
| S76 | 29     | aromatic same (sulfonat \$3 sulphonat\$4) near3 (amine polyamine) same (crosslink\$4 cross-link\$4 cross adj link\$4)   | US-PGPUB; USPAT; USOCR | OR | ON | 2007/10/18 17:00 |
| S77 | 2      | aromatic same (sulfonat \$3 sulphonat\$4) near3 (amine polyamine) same (permeabilit\$3 breathabilit \$3)  | US-PGPUB; USPAT; USOCR | OR | ON | 2007/10/18 17:07 |
| S78 | 55     | aromatic same (sulfonat \$3 sulphonat\$4) near3 (amine polyamine) and (permeabilit\$3 breathabilit \$3)   | US-PGPUB; USPAT; USOCR | OR | ON | 2007/10/18 17:07 |
| S79 | 100727 | S78 nto S77   | US-PGPUB; USPAT; USOCR | OR | ON | 2007/10/18 17:07 |
| S80 | 53     | S78 not S77   | US-PGPUB; USPAT; USOCR | OR | ON | 2007/10/18 17:07 |
| S81 | 0      | Aromatic adj sulfonamines   | US-PGPUB; USPAT; USOCR | OR | ON | 2007/10/18 17:14 |
| S82 | 0      | Aromatic adj sulfonamine  | US-PGPUB; USPAT; USOCR | OR | ON | 2007/10/18 17:14 |
| S83 | 865    | Aromatic adj sulfonamide  | US-PGPUB; USPAT; USOCR | OR | ON | 2007/10/18 17:14 |
| S84 | 24     | ("3953566"   "4194041"   "4239678"   "4515761"   "4518650"   "4634530"   "4682730"   "4824916"   "4828699"   "4943475"   "5013765"   "5024594"   "5362836"   "5391426"   "5403675"   "5618334"   "5743775"   "5824405"   "6087031"   "6118218"   "6395383"   "6451921"   "6509441"   "6579948").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/10/18 17:17 |

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| S85 | 13   | ({"3953566"   "4194041"   "4239678"   "4515761"   "4518650"   "4634530"   "4682730"   "4824916"   "4828699"   "4943475"   "5013765"   "5024594"   "5362836"   "5391426"   "5403675"   "5618334"   "5743775"   "5824405"   "6087031"   "6118218"   "6395383"   "6451921"   "6509441"   "6579948").<br>PN. and aromatic | US-PGPUB;<br>USPAT; USOCR   | OR | ON | 2007/10/18<br>17:17 |
| S86 | 5822 | (sulphonat\$3 sulphonat\$4)<br>near3 (amine polyamine)  | US-PGPUB;<br>USPAT; USOCR   | OR | ON | 2007/10/18<br>17:27 |
| S87 | 1062 | (sulphonat\$3 sulphonat\$4)<br>adj (amine polyamine)  | US-PGPUB;<br>USPAT; USOCR   | OR | ON | 2007/10/18<br>17:27 |
| S88 | 76   | (sulphonat\$3 sulphonat\$4)<br>adj (amine polyamine)<br>with aromatic   | US-PGPUB;<br>USPAT; USOCR   | OR | ON | 2007/10/18<br>17:28 |
| S89 | 209  | (sulphonat\$3 sulphonat\$4)<br>adj (amine polyamine)<br>same aromatic   | US-PGPUB;<br>USPAT; USOCR   | OR | ON | 2007/10/18<br>17:32 |
| S90 | 133  | S89 not S88   | US-PGPUB;<br>USPAT; USOCR   | OR | ON | 2007/10/18<br>17:32 |
| S91 | 9694 | (sulphonat\$3 sulphonat\$4)<br>near3 (aromatic)   | US-PGPUB;<br>USPAT; USOCR   | OR | ON | 2007/10/18<br>17:39 |
| S92 | 84   | S91 and sulfonic adj acid<br>with (equivalent adj<br>weight)  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/10/18<br>17:40 |
| S93 | 25   | (amine polyamine) with<br>sulfonic adj acid with<br>(equivalent adj weight)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/10/18<br>18:03 |
| S94 | 52   | gustav with grot  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/10/18<br>18:09 |
| S95 | 41   | gustav with grot and ion<br>adj exchange  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/10/18<br>18:10 |

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| S96  | 0    | gustav with grot and ion adj exchange and aromatic   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2007/10/18 18:10 |
| S97  | 24   | S91 and sulfonic adj acid adj (equivalent adj weight)  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2007/10/18 18:12 |
| S98  | 24   | S91 and sulfonic adj acid adj (equivalent adj weight) and aromatic   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2007/10/18 18:12 |
| S99  | 8236 | aromatic near2 (sulphonat\$3 sulphonat\$4)   | US-PGPUB; USPAT; USOCR                                   | OR | ON  | 2007/10/18 18:23 |
| S100 | 22   | S99 and sulfonic adj acid adj (equivalent adj weight)  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2007/10/18 18:23 |
| S101 | 4    | ((("5013765") or ("5362836") or ("5403675") or ("6509441")).PN.  | USPAT; USOCR   | OR | OFF | 2007/10/18 18:28 |
| S102 | 1    | ("5539072").PN.  | USPAT; USOCR   | OR | OFF | 2007/10/18 18:38 |
| S103 | 413  | aromatic near2 (sulphonat\$3 sulphonat\$4) and (sulphonat\$3 sulphonat\$4) near2 (polyamine amine)                           | US-PGPUB; USPAT; USOCR                                   | OR | ON  | 2007/10/18 18:45 |
| S104 | 3    | aromatic near2 (sulphonat\$3 sulphonat\$4) and (sulphonat\$3 sulphonat\$4) near2 (polyamine amine) with (coating layer film) | US-PGPUB; USPAT; USOCR                                   | OR | ON  | 2007/10/18 18:54 |
| S105 | 34   | aromatic near2 (sulphonat\$3 sulphonat\$4) and (sulphonat\$3 sulphonat\$4) near2 (polyamine amine) same (coating layer film) | US-PGPUB; USPAT; USOCR                                   | OR | ON  | 2007/10/18 18:55 |
| S106 | 4    | sulfonated with (polyamine amine) with aromatic and (chemical\$3) adj (barrier resistant retardant)                          | US-PGPUB; USPAT; USOCR                                   | OR | ON  | 2007/10/18 19:03 |

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| S107 | 12    | sulfonated with aromatic same (polyamine amine) and (chemical\$3) adj (barrier resistant retardant) | US-PGPUB; USPAT; USOCR                                   | OR | ON  | 2007/10/18 19:04 |
| S108 | 40768 | "428"/\$.cls. and aromatic  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2007/10/22 15:09 |
| S109 | 2754  | "428"/\$.cls. and aromatic same (barrier protect\$4)  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2007/10/22 15:10 |
| S110 | 59    | "428"/\$.cls. and (sulfonated sulfuric sulf\$4) near3 aromatic same (barrier protect\$4)            | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2007/10/22 15:11 |
| S111 | 306   | aromatic and sulfonic adj acid with (equivalent adj weight)   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2007/10/22 16:17 |
| S112 | 65    | aromatic same sulfonic adj acid with (equivalent adj weight)  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2007/10/22 16:17 |
| S113 | 241   | S111 not S112   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2007/10/22 16:27 |
| S114 | 3     | "6608167"   | USPAT  | OR | OFF | 2007/10/23 15:01 |
| S115 | 409   | pps with units  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/11/07 16:59 |

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| S116 | 13   | pps with units with (sulfone ketone)  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/11/07 17:00 |
| S117 | 95   | pps with units with (sulfone ketone)  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2007/11/07 17:00 |
| S118 | 15   | pps with units with (sulfone ketone) and (barrier protect\$4)   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2007/11/07 17:01 |
| S119 | 14   | pps with units with (polyether adj sulfone polyether adj ketone biphenyl adj sulfone polyphthalazinone adj ether adj ketone polybenzimidazole polyphenylene adj oxide)                  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2007/11/07 17:33 |
| S120 | 1820 | "pps" with (polyether adj sulfone polyether adj ketone biphenyl adj sulfone polyphthalazinone adj ether adj ketone polybenzimidazole polyphenylene adj oxide)                           | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2007/11/07 17:35 |
| S121 | 80   | "pps" with (polyether adj sulfone polyether adj ketone biphenyl adj sulfone polyphthalazinone adj ether adj ketone polybenzimidazole polyphenylene adj oxide) same (protect\$4 barrier) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2007/11/07 17:36 |
| S122 | 758  | "pps" with (polyether adj sulfone sulfonated adj (polyether adj ketone biphenyl adj sulfone polyphthalazinone adj ether adj ketone polybenzimidazole polyphenylene adj oxide))          | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2007/11/07 17:39 |

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| S123 | 36  | "pps" with (polyether adj sulfone sulfonated adj (polyether adj ketone biphenyl adj sulfone polyphthalazinone adj ether adj ketone polybenzimidazole polyphenylene adj oxide)) same (protect\$4 barrier) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/07 17:40 |
| S124 | 358 | "pps" with (polyether adj sulfone sulfonated adj (polyether adj ketone biphenyl adj sulfone polyphthalazinone adj ether adj ketone polybenzimidazole polyphenylene adj oxide)) and (protect\$4 barrier)  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/07 17:42 |
| S125 | 322 | S124 not S123  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/07 17:42 |
| S126 | 143 | S125 and (vapor breathable breath)   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/07 17:43 |
| S127 | 747 | "pps" with (polyether adj sulfone)   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/07 17:54 |
| S128 | 349 | S127 and (protect\$4 barrier)  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/07 17:54 |
| S129 | 1   | S127 and (protect\$4 barrier) and (garment clothing)   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/07 18:01 |
| S130 | 5   | S127 and (garment clothing)  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/07 18:04 |

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| S131 | 5    | "pps" with (polyether adj sulfone sulfonated adj (polyether adj ketone biphenyl adj sulfone polyphthalazinone adj ether adj ketone polybenzimidazole polyphenylene adj oxide)) and (garment clothing)  | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2007/11/07 18:06 |
| S132 | 0    | "pps" with (polyether adj sulfone sulfonated adj (polyether adj ketone biphenyl adj sulfone polyphthalazinone adj ether adj ketone polybenzimidazole polyphenylene adj oxide)) and gore.as.  | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2007/11/07 18:12 |
| S133 | 4411 | gore.as.   | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2007/11/07 18:13 |
| S134 | 747  | "pps" with (polyether adj sulfone)   | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2007/11/07 18:18 |
| S135 | 209  | "pps" with (polyether adj sulfone) same (film coat \$4)  | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2007/11/07 18:20 |
| S136 | 49   | ((("20020164513") or ("20020172850") or ("20030038074") or ("20030044669") or ("20040048749") or ("20040151844") or ("20040259446") or ("20050249917") or ("20060280906") or ("3886066") or ("4245700") or ("4319008") or ("4409339") or ("4508852") or ("4510998") or ("4582782") or ("4824916") or ("4882148") or ("4895660") or | US-PGPUB; USPAT; USOOR                                   | OR | OFF | 2007/11/08 14:18 |

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| S137 | 1    | "20050208203"  | US-PGPUB  | OR | OFF | 2007/11/09<br>14:15 |
| S138 | 1638 | fire adj protection  | US-PGPUB  | OR | OFF | 2007/11/09<br>14:18 |
| S139 | 5    | (gore.as. and mukesh<br>near2 jain huey near2 wu)<br>and sulfonate\$ near2<br>aromatic | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/05/15<br>17:10 |
| S140 | 0    | "6451921" and chloroethyl  | USPAT   | OR | ON  | 2010/01/22<br>16:11 |
| S141 | 4    | "6451921" and<br>permeation  | USPAT   | OR | ON  | 2010/01/22<br>16:11 |

**EAST Search History (Interference)**

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